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NOTES ON GEOGRAPHIC DISTRIBUTION

Myrtaceae, *Myrcia squamata* (Mattos and D. Legrand) Mattos and *Myrceugenia seriatoramosa* (Kiaersk.) D. Legrand and Kausel in Santa Catarina: Distribution extension

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ABSTRACT: Myrtaceae have pantropical distribution, with about 3,500 to 5,800 species in the world, and about 1,000 in Brazil. In Santa Catarina state, 23 species of Myrceugenia and 37 species of *Myrcia*, included *Gomidesia* in this genus, are known. Collection trips were made in the cities of Garuva and Joinville, where *Myrcia squamata* and *Myrceugenia seriatoramosa* were found for the first time in Santa Catarina. Currently, 38 species of *Myrcia* and 24 of *Myrceugenia* are confirmed, increasing the number of Myrtaceae species in this state.

Myrtaceae have pantropical distribution, with about 144 genera (Judd *et al.* 1999) 3,500 to 5,800 species in the world (Lima and Guedes-Bruni 2004), and about 1,000 in Brazil (Schultz 1984). The Brazilian species of Myrtaceae, are characterized for wood habit, leaves opposite, simple, entire, with pellucid glands containing ethereal oils. (Judd *et al.* 1999, APG III 2009). For the state of Santa Catarina, 23 species of *Myrceugenia* (Legrand and Klein 1970; Landrum 1981; 1984; Sobral 2003) and 37 species of *Myrcia* (included *Gomidesia* in this genus, Sobral 2003; Legrand and Klein 1967, 1969, 1977), are cited.

Collection trips were made from May/2004 to June/2006 in high montane and montane ombrophilous dense forest (Veloso 1992) on Monte Crista, Garuva municipality, and on Castelo dos Bugres, in Joinville municipality, in Santa Catarina state, where two species were collected for the first time in the state.

The maps (Figures 1 and 2) were built with DIVA-GIS 5.2. The geographic coordinates in Santa Catarina state, taken in field and the additional ones were taken from MBM herbarium and literature (Lima and Guedes-Bruni 2004; Landrum 1981) and data bank hosted in CRIA (2008).

Myrcia squamata Mattos and D. Legrand and *Myrceugenia seriatoramosa* (Kiaersk.) D. Legrand and Kausel, are first recorded for the state of Santa Catarina. Now 38 species of *Myrcia* and 24 of *Myrceugenia* are assigned, increasing the number of Myrtaceae species in the state. This two species are found in Garuva and Joinville municipality. Samples of plants are hosted in Joinvillea Herbaria (JOI) of the UNIVILLE (Universidade da Região de Joinville).

Myrceugenia seriatoramosa (Kiaersk.) D. Legrand and Kausel, Comun. *Bot. Mus. Hist. Nat. Montevideo* 2(28): 5. 1953.

= *Eugenia seriato-ramosa* Kiaersk., Enum. Myrt. Bras. 170. 1893.

= *Luma seriato-ramosa* (Kiaersk.) Burret, Notizbl. Bot. Gart. Berlin-Dahlem 15: 528. 1941

Small tree 5-6m high. Twigs flattened when young. Trichomes present in the stems, bracteoles and ovary. Leaves elliptic, apex acuminate, base attenuated 4,2-5/1,8-2cm, glabrous. Peduncles uniflorous, flattened, solitary, or 2-3(4) in row in the leaf axils. Bracteoles ovate. Calyx-lobes orbicular, with pellucid glands. Ovary 2-3-locular (Figure 3).

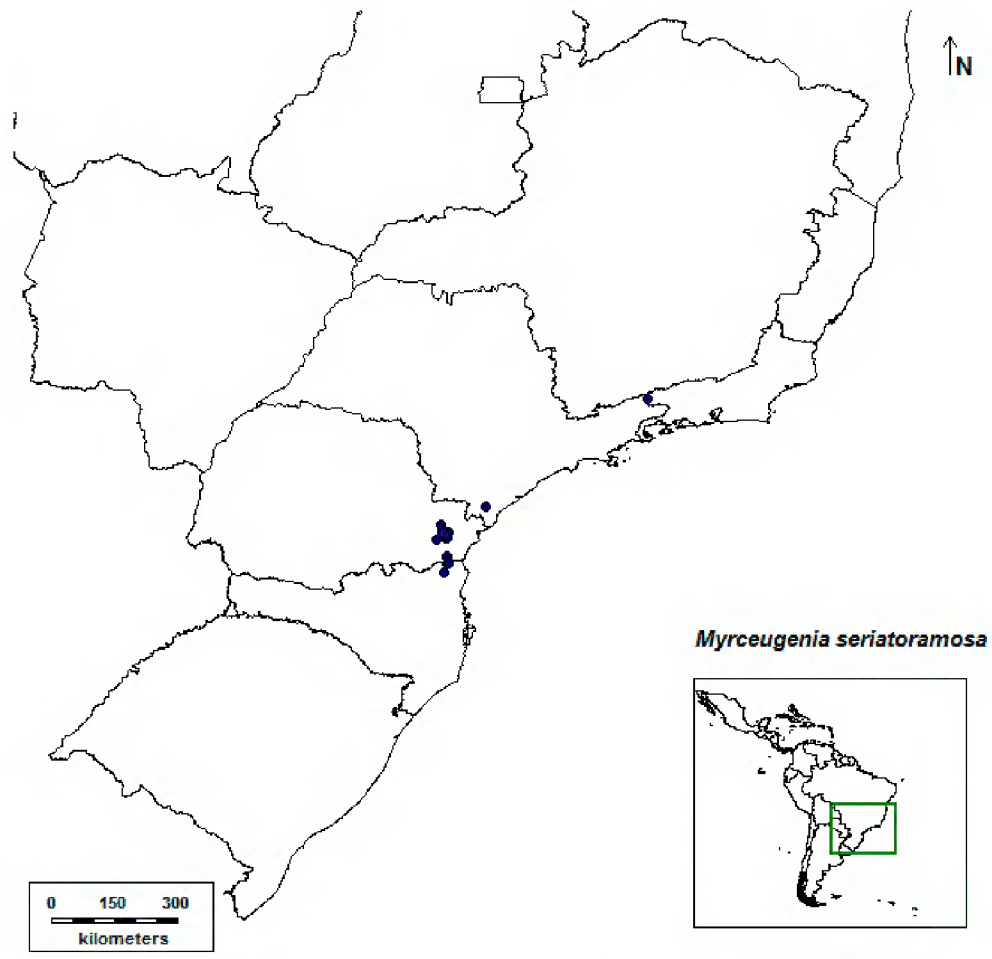

FIGURE 1. Distribution of *Myrceugenia seriatoramosa* (Kiaersk.) D. Legrand and Kausel.

Geographic Distribution: Santa Catarina state: Joinville and Garuva; Paraná state: Piraquara, Rio de Janeiro state: National Park of Itatiaia; Brazil: from the National Park of Itatiaia to the Northeastern of Santa Catarina state.

Material examined: BRAZIL. Santa Catarina: Joinville, Castelo dos Bugres, 6-VI-2004, F.C.S. Vieira 345 (JOI). Ibidem, 26-III-2005, F.C.S. Vieira 935 (JOI, MBM, BHCB, RB). Garuva, Morro do Campo Alegre, 7-IX-2005, F.C.S. Vieira 1286 (JOI). Paraná: Piraquara, Morro Anhangava, 8-IV-1951, G.G. Hatschbach 2226 (MBM).

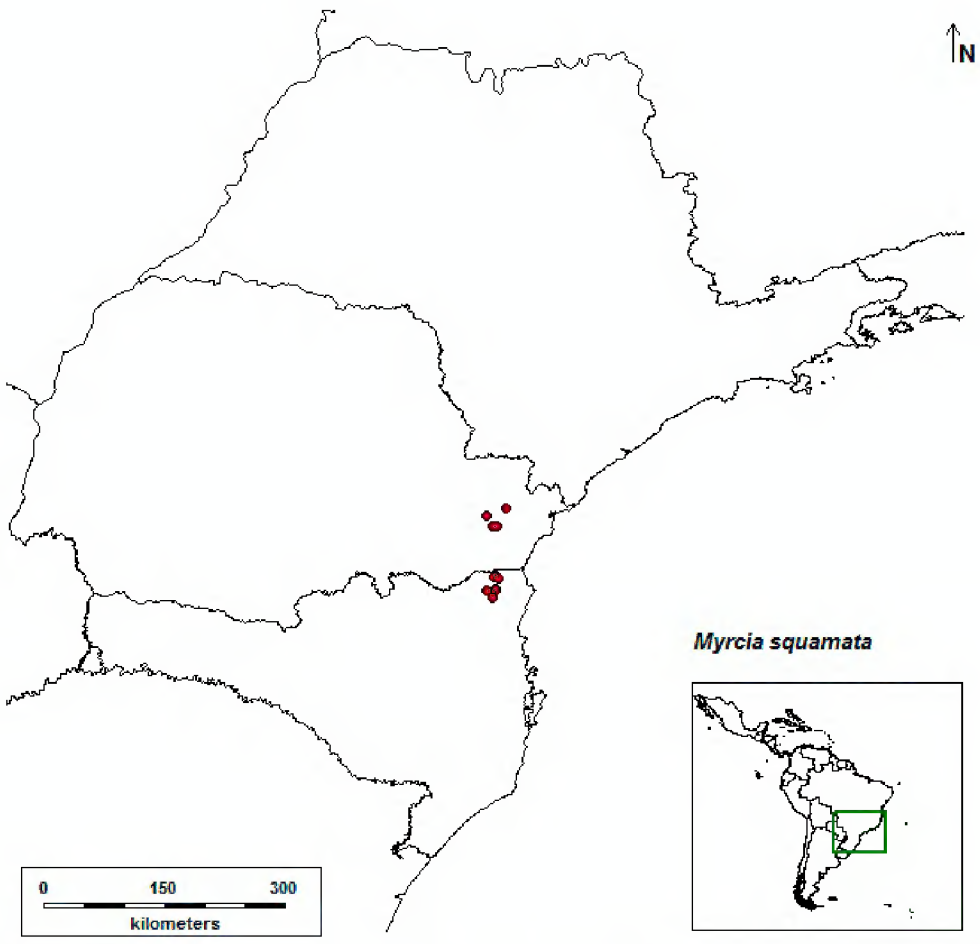

FIGURE 2. Distribution of *Myrcia squamata* (Mattos and D. Legrand) Mattos.

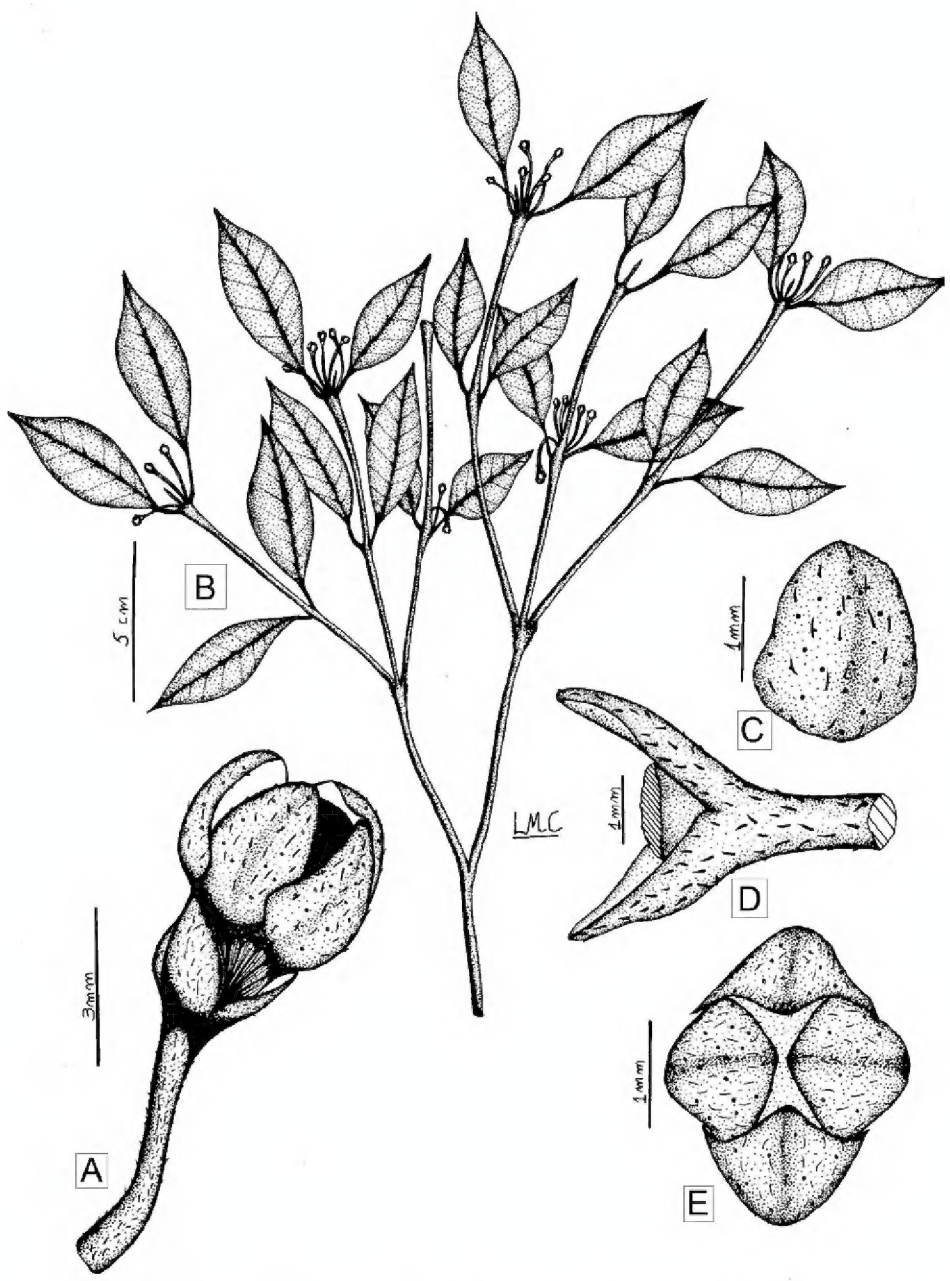

FIGURE 3. A) Young flower, B) branch, C) calyx lobe, D) bracteoles and pedicel, E) bud in upper vision.

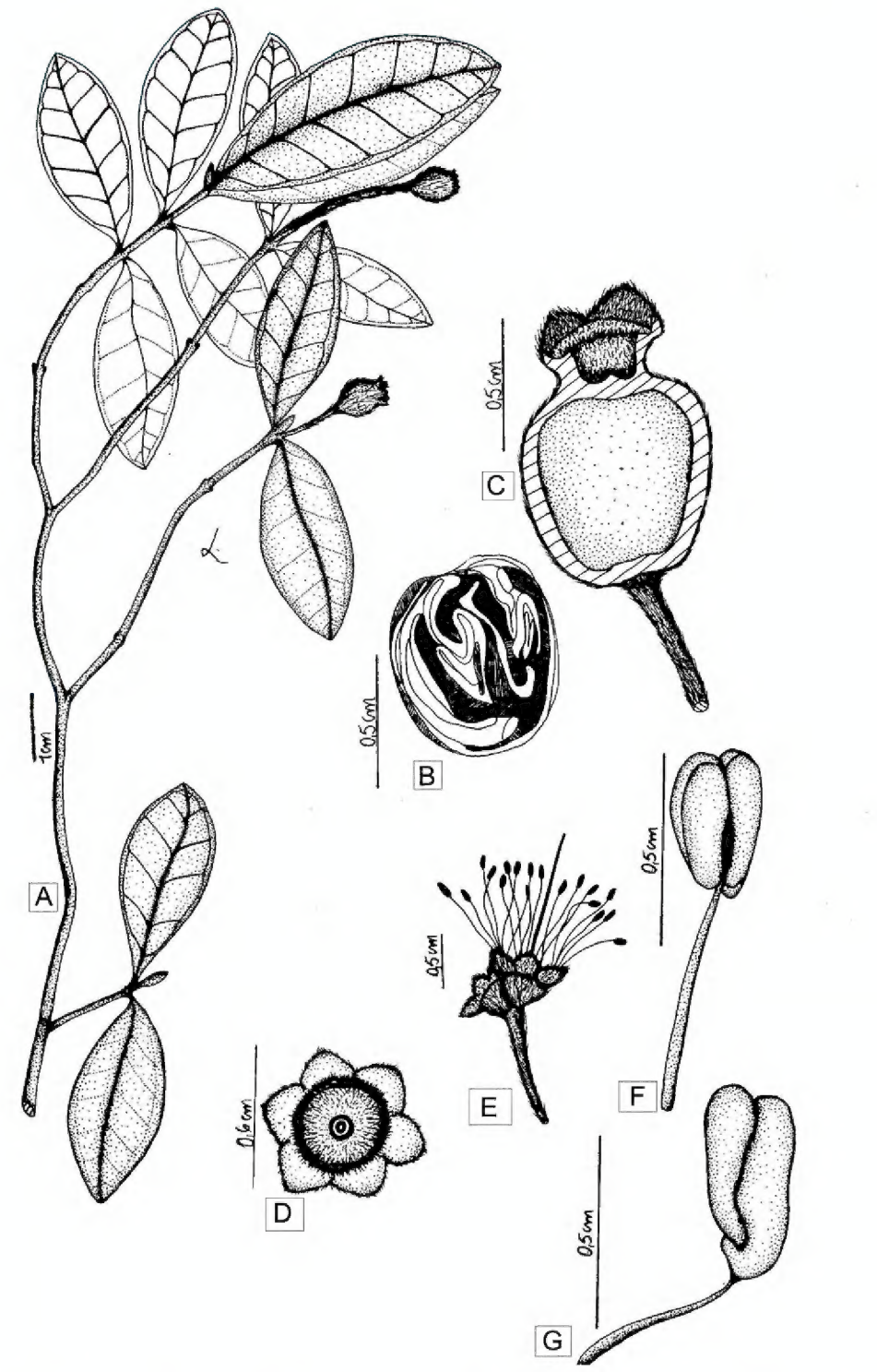

FIGURE 4. A) Branch with young fruits, B) seed, C) fruit in cross section, D) ovary, E) flowers, F) stamen in front vision, G) stamen in side vision.

Myrcia squamata (Mattos and D. Legrand) Mattos, *Loefgrenia* 125: 4. 2008.

= *Gomidesia squamata* Mattos and D. Legrand, Loegfrenia 67:14. 1975.

Small tree 5m high. Twigs covered by trichomes when young, scarce in mature branches, lenticels present. Leaves elliptic to obovate, 5,5-7x1,5-3cm, Peduncles 0,8-1,8cm, covered by trichomes. Inflorescences are short panicles. Corolla white, pentamerous, dialypetalous. Fruit fleshy, globose, 1,2 x1,0cm, reddish to purple when mature, covered with trichomes (Figure 4).

Geographic Distribution: Santa Catarina state: Joinville and Garuva; Paraná state: Campina Grande do Sul, Piraquara, Quatro Barras, São José dos Pinhais; Brasil: only over the Mountain ridge of the Sea, in Santa Catarina and Paraná state, ever between 700 and 1,200m asm (above sea level).

Material examined: BRAZIL. Santa Catarina: Joinville, Morro Jurapê, 11-VI-2006, fl., F.C.S. Vieira 1477(JOI). Joinville, Castelo dos Bugres, 24-VI-2004, fr., F.C.S. Vieira 381 (JOI). Ibidem, 28-VI-2004, F.C.S. Vieira 418 (JOI). Ibidem, 25-I-2005, fl., F.C.S. Vieira 800, (JOI). Ibidem, 21-II-2005, fl., F.C.S. Vieira 844, (JOI). Ibidem, 26-III-2005, fl., F.C.S. Vieira 921, (JOI); Garuva, Monte Crista, 4-VII-2004, fr., F.C.S. Vieira 402 (JOI). Ibidem, fr., F.C.S. Vieira 1873, (JOI). Paraná: Campina Grande do Sul, G.G. Hatschbach 16862 (MBM); Piraquara, Mananciais da Serra, M. Reginato 697, 203 (MBM).

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